

Recombinant Human TIE1 Protein, hIgG/His-tagged

Cat. No. TIE1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Tie-1 (22-759aa, 977aa), fused to hIgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Human
Source	HEK293
Description	This gene encodes a member of the tyrosine protein kinase family. The encoded protein plays a critical role in angiogenesis and blood vessel stability by inhibiting angiopoietin 1 signaling through the endothelial receptor tyrosine kinase Tie2. Ectodomain cleavage of the encoded protein relieves inhibition of Tie2 and is mediated by multiple factors including vascular endothelial growth factor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	Liquid
Molecular Mass	106.8 kDa
AA Sequence	AVDLTLLANLRLTDPQRFFLTCSVGEAGAGRGSDAWGPPLLLEKDDRIVRTPPGPPL RLARNGSHQVTLRGFSKPSDLVGVFSCVGGAGARRTRVIYVHNSPGAHLDPKVTH TVNKGDTAVLSARVHKEKQTDVIWKSNGSYFYTLDWHEAQDGRFLLQLPNVQPPSS GIYSATYLEASPLGSAFFRLIVRGCGAGRWGPGCTKECPGCLHGGVCHDHDGECV CPPGFTGTRCEQACREGRFQSCQECPGISGCRGLTFCLPDYPGCSGSGWRG

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SQCQEACAPGHFGADCRLQCQCQNGGTCDRFSGVCPSGWHGVHCEKSDRIPQI
 LNMASELEFNLETMPRINCAAAGNPFPVRGSIELRKPDGTVLLSTKAIVEPEKTTAEF
 EVPRVLADSGFWECRVSTSGGQDSRRFKVNVKVPVPLAAPRLTKQSRQLVVS
 LVSFSGDGPSTVRLHYRPQDSTMDWSTIVDPSENVTLMLNLRPKTGYSVRVQLSR
 PGEGGEGAWGPPTLMTTDCPEPLLQPWLEGWHVEGTDRLRVSWSLPLVPGPLVG
 DGFLRLWDGTRGQERRENVSSPQARTALLTGLTPGTHYQLDVQLYHCTLLGPASP
 PAHVLLPPSGPPAPRHLHAQALSDSEIQLTWKHPEALPGPISKYVVEVQVAGGAGD
 PLWIDVDRPEETSTIIRGLNASTRYLFRMRASIQGLGDWSNTVEESTLGNGLQAEGP
 VQESRAAEEGLDQ

Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	20mM Tris-HCl (pH 8.0) containing 0.1M NaCl, 50% glycerol

GENE INFORMATION

Gene Name	TIE1 tyrosine kinase with immunoglobulin like and EGF like domains 1 [Homo sapiens (human)]
Official Symbol	TIE1
Synonyms	TIE1; tyrosine kinase with immunoglobulin like and EGF like domains 1; TIE; JTK14;

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LMPHM11; tyrosine-protein kinase receptor Tie-1; tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1; EC 2.7.10.1

Gene ID 7075

mRNA Refseq NM_005424

Protein Refseq NP_005415

MIM 600222

UniProt ID P35590

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